

PATENT

Docket: P-9002.00

RADEN IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	
Applicant: Dwight H. Warkentin)	
Serial No.: 09/896,281) Art Unit: Unknown)	
Filed: June 29, 2001) Examiner: Unknown)	
For: Multi-Site Ventricular Pacing System Measuring QRS Duration))	

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents Washington D.C. 20231

Dear Sir:

In compliance with the duty imposed by 37 C.F.R. § 1.56, and in accordance with C.F.R. §§ 1.97 *et. seq.*, the materials enclosed herewith are brought to the attention of the Examiner as possibly being of interest in connection with the above-identified patent application.

Consideration of each of the documents listed on the attached Form 1449 is respectfully requested. Pursuant to the provisions of M.P.E.P. §609, Applicant further requests that a copy of the Form 1449, marked as being considered and initialed by the Examiner, be returned with the next Official Communication.

Respectfully submitted,

Date: 8 (0/8)

Beth L. McMahon, Reg. No. 41,987

MEDTRONIC, INC.

7000 Central Avenue Northeast Minneapolis, Minnesota 55432

Telephone: (763) 514-3066

ALL

DOCKET NO.: P-9002.00

OIP F AUG 1 3 2001



04CON

RANGE TRANSMITTAL

In re Application of: Dwight H. Warkentin

For: MULTI-SITE VENTRICULAR PACING SYSTEM MEASURING QRS DURATION

Serial No.: 09/896,281 Filed: June 29, 2001

CERTIFICATE OF MAILING UNDER 37 CFR 1.8: I hereby certify that this INFORMATION DISCLOSURE STATEMENT and the paper(s), as described herein, are being deposited in the U.S. Postal Service, as first class mail, addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231 on this

Commissioner of Patents and Trademarks Washington, D.C. 20231

Sir:

We are transmitting herewith the attached:

- X Information Disclosure Statement
- X PTO FORM 1449
- X Copies cited references
- X Return Postcard

FEE CALCULATION

	\$ 00.00 Pursuant to 37 CFR §1.97(b) \$ 00.00 Pursuant to 37 CFR §1.97(c) with Certification \$ 00.00 Pursuant to 37 CFR §1.97(e) with Certification \$ 180.00 Pursuant to 37 CFR §1.97(c) without Certification \$ 180.00 Pursuant to 37 CFR §1.97(d) with Certification
•	
	Applicant hereby petitions for a months' extension of time. If an additional extension of time is required, please consider this petition therefor.
x	Applicant believes that no extension of time is required. However, if an extension of time is required, please consider this a petition therefore to provide for the possibility that applicant has inadvertently overlooked the need for an extension of time.
X	Please charge any additional fees or credits to Deposit Account No. 13-2546 which may have been overlooked with regard to this filing. A duplicate of this transmittal is enclosed.

8 10 01

Beth L. McMahon, Reg. No. 41,987

MEDTRONIC, INC.

710 Medtronic Parkway N.E. Minneapolis, Minnesota 55432-5604

Telephone: (763) 514-3066

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE as it contains a valid OMB control number

Under the	Paperwork Kee	nucuon .	Act of 1993, no persons are	connen m te	spone to a contractor of anotherior uni	ess it contains a valid OMB control number.
Substitute	for form 1449 <i>f</i>	VPTO	<u> </u>	1/2	64	Complete if Known
IN	FORM/	TIC	ON DISCLOSUE	er ``~	Application Number	09/896,281
	-				Filing Date	June 29, 2001
STATEMENT BY APPLICANT		First Named Inventor	Dwight H. Warkentin			
	(use a	з тапу .	sheets as necessary)		Group Art Unit	Unknown
ŀ					Examiner Name	Unknown
Sheet	1	of	2		Attorney Docket Number	P9002.00

-27		U.S. Patent Document		Name of Patentee or Applicant of	Date of Publication of	Pages, Columns, Lines, Where Relevant
Examiner Initials*	Cite ¹ No.	Number	Kind Code ² (if known)	Cited Document	Cited Document MM-DD-YYYY	Passages or Relevant Figures Appear
-		3,937,226		Funke	02-10-1976	
	_	4,088,140		Rockland et al.	05-09-1978	
		4,332,259		McCorkle, Jr.	06-01-1982	
		4,354,497		Kahn	10-19-1982	
		4,428,378		Anderson et al.	01-31-1984	
		4,458,677		McCorkle, Jr.	07-10-1984	
	1	4,548,203		Tacker, Jr. et al.	10-22-1985	
		4,928,688		Mower	05-29-1990	
		4,972,834		Begemann et al.	11-27-1990	
	1	5,052,388		Sivula et al.	10-01-1991	
	1	5,174,289		Cohen	12-29-1992	
		5,267,560		Cohen	12-07-1993	
		5,331,966		Bennett et al.	07-26-1994	
		5,403,356		Hill et al.	04-04-1995	
		5,514,161		Limousin	05-07-1996	
		5,527,347		Shelton et al.	06-18-1996	
		5,674,259		Gray	10-07-1997	
		5,720,768		Verboven-Nelissen	02-24-1998	
		5,749,906		Kieval et al.	05-12-1998	
		5,792,203		Schroeppel	08-11-1998	
		5,797,970		Pouvreau	08-25-1998	
		5,902,324		Thompson et al.	05-11-1999	
		6,070,100		Bakels et al.	05-30-2000	
		6,129,744		Boute	10-10-2000	

FOREIGN PATENT DOCUMENTS								
		1	Foreign Patent Documen	t		Date of Publication	Pages, Columns, Lines, Where	
Examiner Initials*	Cite ¹ No.	Office ³	Number ⁴	Kind Code ⁵ (if known)	Name of Patentee of Applicant of Cited Document	of Cited Document MM-DD-YYYY	Relevant Passages or Relevant Figures Appear	T⁵
					·			—
		ļ <u> </u>						\vdash
								\Box
				_				┼
	-	 						╁┈
	ļ	 		,				
Substitute f	for form 14	9В/РТО	* -	·		Complete if Know	1	
		ORMATION DISCLOSURE Filing I			on Number te			

Examiner	Date	- [
Signature	Considered	

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

<sup>Unique citation designation number.
See attached Kinds of U.S. Patent Documents.
Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).
For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible.
Applicant is to place a check mark here if English language Translation is attached.
Unique citation designation number.
Applicant is to place a check mark here if English language translation is attached.</sup>

Please type a plus sign (+) inside this box -

Approved for use through 10/31/2002. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Approved for use through U.S. Patent and Trademark Office: U.S. I. S. TATEMENT BY APPLICANT

A First Named Inventor

Dwight H. Warkentin

Converted to respond to a collection of information unless it contains a valid OMB control number.

STATEMENT BY APPLICANT

A University Variable Variabl Unknown Group Art Unit (use as many sheets as necessary) **Examiner Name** Unknown P-9002.00 2 of 2 Sheet Attorney Docket Number

OTHER PRIOR ART NON PATENT LITERATURE DOCUMENTS						
Examiner Initials*	Cite ¹ No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²			
		Daubert et al., "Permanent Dual Atrium Pacing in Major Intra-atrial Conduction Blocks: A Four Years				
		Experience", PACE (Vol. 16, Part II, NASPE Abstract 141, p.885, April 1993)				
		Daubert et al., "Permanent Left Ventricular Pacing With Transvenous Leads Inserted Into The Coronary Veins", PACE (Vol. 21, Part II, pp. 239-245, Jan. 1998)				
		Cazeau et al., "Four Chamber Pacing in Dilated Cardiomyopathy", PACE (Vol. 17, Part II, pp. 1974-1979, November 1994)				
		Daubert et al., "Renewal of Permanent Left Atrial Pacing via the Coronary Sinus", <u>PACE</u> (Vol. 15, Part II, NASPE Abstract 255, p. 572, April 1992)				
		Durrer et al., "Total Excitation of the Isolated Human Heart", Circulation, (Vol. XLI, p. 899-912, June 1970)				
		Lieberman et al., "Relationship Between Electrical and Hemodynamic Parameters Using Bi-Ventricular and Uni-Ventricular Pacing in Heart Failure Patients", JACC (Abstract 1059-69, p. 155A, February 2001)				
		Cochlain et al., "The Effects of the Interval Between Right and Left Ventricular Activation on Sychronization in Patients with Bi-ventricular Pacemakers", PACE (Vol. 23, Part II, NASPE Abstract 94, p. 576, April 2000)				
	<u> </u>	·				
	 					
			ļ			
			<u> </u>			
	<u> </u>		<u> </u>			
			 			
	<u> </u>					
	<u> </u>					
	 		 			
	1		<u></u>			

Examiner	Date
Signature	Considered

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S., Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw Line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

³ Enter Office that issued the document, by the two-letter code (WIPO Standard St.3).

Enter Ornce that issued the document, by the two-letter code (WIPO Standard St.3).

For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

Kind of document by the appropriate symbol as indicated on the document under WIPO Standard ST. 16 if possible.

Applicant is to place a check mark here if English language Translation is attached.

Unique citation designation number.

Applicant is to place a check mark here if English language translation is attached.